IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of:	Robert C. Getts	**Patent Application**
Serial No.:	To be assigned	
Filing Date:	August 19, 2003	
For:	Method for Reusing Standard Blots and Microarrays Utilizing DNA Dendrimer Technology	
Attorney Docket No.:	4081.011.400	

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
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Summary - Status of all Claims

The following is a summary of the status of all of the claims in the present application:

Claims 1- 22 (cancelled)

Claims 23-39 (original, as follows)

23. (Original) A method for reusing an assay, comprising the steps of:

(a) conducting a first assay, said first assay comprising:

(i) a first hybridization of a target nucleic acid to probe nucleic acid located on an assay format, and

(ii) hybridization of a first dendrimer to said target nucleic acid, wherein said target

nucleic acid comprises a first capture sequence which hybridizes with a complementary nucleic acid sequence of said first dendrimer;

(b) stripping said first dendrimer from said target nucleic acid; and,

(c) conducting a second assay on said assay format, said second assay comprising:

(i) a second hybridization of target nucleic acid to probe nucleic acid on the same assay format used for said first assay; and,

(ii) hybridization of a second dendrimer to the target nucleic acid of said second assay, wherein said target nucleic acid of said second assay comprises a second capture sequence for hybridization to said second dendrimer, said second capture sequence being a nucleic acid sequence which is different from the nucleic acid sequence of said first capture sequence.

24. (Original) A method as claimed in claim 23, wherein said first dendrimer comprises a label for producing a detectable signal.

25. (Original) A method as claimed in claim 23, wherein said second dendrimer comprises a label for producing a detectable signal.

26. (Original) A method as claimed in claim 24, wherein said label is a flourescent label.

27. (Original) A method as claimed in claim 25, wherein said label is a flourescent label.

28. (Original) A method as claimed in claim 24, further comprising the step of detecting said signal of said label of said first dendrimer before said stripping of said dendrimer from said target nucleic acid.

29. (Original) A method as claimed in claim 25, further comprising the step of detecting said signal of said label of said second dendrimer.

30. (Original) A method as claimed in claim 24, wherein said stripping of said first dendrimer is followed by a detection of any of said label on said assay format to verify that none of said label of said first dendrimer can be detected on said assay format.

31. (Original) A method as claimed in claim 23, wherein said assay format is a blot.

32. (Original) A method as claimed in claim 23, wherein said assay format is a microarray.

33. (Original) A method as claimed in claim 23, wherein at least one of said first and second assays comprises single channel detection.

34. (Original) A method as claimed in claim 23, wherein at least one of said first and second assays comprises dual channel detection.

35. (Original) A method as claimed in claim 23, further comprising the step of conducting a third assay on said format using a target nucleic acid comprising a third capture sequence, said third capture sequence comprising a nucleic acid sequence which is different from the nucleic acid sequences of both said first capture sequence and said second capture sequence.

36. (Original) A method as claimed in claim 23, further comprising the step of conducting a third assay on said format using a target nucleic acid comprising a third capture sequence, said third capture sequence comprising a nucleic acid sequence which is different from the nucleic acid sequences of both said first capture sequence and said second capture sequence.

37. (Original) A method as claimed in claim 23, further comprising the step of conducting further assays on said format using target nucleic acids comprising capture sequences which are different from the capture sequences used in any of the prior assays on said assay format.

38. (Original) A method as claimed in claim 23, wherein said capture sequence comprises 31 base pairs.

39. (Original) A method as claimed in claim 23, wherein at least one of said first and second assays is used for RNA expression analysis.

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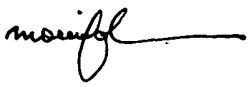
Respectfully submitted,



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